

U.S. Department of Energy
Technical Qualification Program

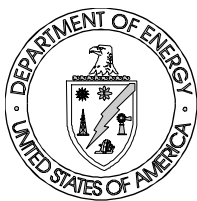
Technical Training Topical Area

Study Guide

For the

*Radiation Protection
Qualification Standard*

August 1996



Competency 2.6 Radiation protection personnel shall demonstrate a familiarity level knowledge of the following Federal regulations, codes, standards, and DOE Orders related to Federal and contractor personnel training and qualification:

- DOE Order 5480.18B, Accreditation of Performance-Based Training for Category A Reactors and Nuclear Facilities
- DOE Order 5480.20A, Personnel Selection, Qualification, Training, and Staffing Requirements at Department of Energy Reactor and Non-reactor Facilities
- DOE Order 3410, Training

1. Supporting Knowledge and Skills

- a. Describe the relevant requirements, purpose, interrelationships and importance of the listed Orders and guides.
- b. Discuss the role of radiation protection personnel with respect to these Orders and Standards.

2. Self-Study Activities

- NOTES:
- The DOE Orders are in a state of transition. Please refer to the following gopher site for a cross reference of new and old Orders:
gopher://VM1.HQADMIN.DOE.GOV:70/00/doemenu1/directiv/251cross.asc
 - Below are two web sites containing many of the references you may need.

Web Sites		
Organization	Site Location	Notes
Department of Energy	http://cted.inel.gov/cted/index.html	DOE Standards, Guides, and Orders.
U.S. House of Representatives	http://law.house.gov/cfr.htm	Searchable Code of Federal Regulations

NOTE: DOE Order 3410, *Training*, was replaced by DOE Order 360.1, *Training*.

Read pages 1-2 and 5-9 of DOE Order 5480.18B, *Nuclear Facility Training and Accreditation Program*.



Read pages 1-2 and I-iv of DOE Order 5480.20A, *Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities*.

Read pages 1-2 and I-ii of DOE Order 360.1, *Training*.

EXERCISE 2.6-A Describe the relevant requirements, purpose, interrelationships and importance of the listed Orders and guides.

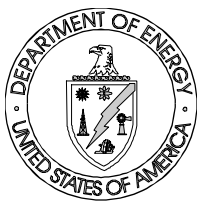
EXERCISE 2.6-B Discuss the role of radiation protection personnel with respect to these Orders and Standards.

3. Summary

DOE Order 5480.18B, *Nuclear Facility Training Accreditation Program*, establishes the process and the objectives and criteria for the accreditation of contractor training programs at listed DOE facilities.

DOE Order 5480.20A, *Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities*, establishes selection, qualification, and training requirements for M&O contractor personnel involved in the operation, maintenance, and technical support of DOE-owned Category A and B reactors and non-reactor nuclear facilities.

DOE Order 360.1, *Training*, assigns responsibilities and provides requirements for establishing, implementing, documenting and evaluating training programs for Federal employees.



4. Exercise Solutions

EXERCISE 2.6-A Describe the relevant requirements, purpose, interrelationships and importance of the listed Orders and guides.

ANSWER 2.6-A

	DOE Order 5480.18B	DOE Order 5480.20A	DOE Order 360.1
Purpose	To establish the process and the objectives and criteria for the accreditation of training programs at listed DOE facilities.	To establish selection, qualification, and training requirements for M&O contractor personnel involved in the operation, maintenance, and technical support of DOE-owned Category A and B reactors and non-reactor nuclear facilities.	To assign responsibilities and provide requirements for establishing, implementing, documenting and evaluating training programs for Federal employees.
Requirements	<ul style="list-style-type: none"> Initial Accreditation Maintaining Accreditation Renewal of Accreditation 	<ul style="list-style-type: none"> General Requirements Category A Reactor Personnel Category B Reactor Personnel Non-Reactor Nuclear Facility Personnel 	<ul style="list-style-type: none"> Administration of Training Technical Qualification Program Conduct of Technical Training Academic Degree Training Retraining
Interrelationships and Importance	This Order outlines the accreditation process for those listed facilities for which the contractor training programs must be accredited.	This Order outlines the requirements for selection, qualification, and training of contractor personnel, including, but not limited to, facilities which must be accredited.	This Order outlines the requirements for training and qualification of Federal employees, including, but not limited to, those who conduct oversight of contractor facilities which must comply with DOE Orders 5480.18B and 5480.20A.



EXERCISE 2.6-B Discuss the role of radiation protection personnel with respect to these Orders and Standards.

ANSWER 2.6-B DOE Federal radiation protection personnel must comply with DOE Order 360.1 for their own training and qualification programs. DOE Federal radiation protection personnel may also conduct oversight of to ensure that the training program elements (i.e., selection, training process, continuing training, qualification) for are in accordance with the applicable requirements of DOE Orders 5480.18B and 5480.20A.